

HIGH RESOLUTION ANTI-SCATTER X-RAY GRID AND LASER FABRICATION METHOD

ABSTRACT

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A method for fabricating a substantially transparent polymer substrate for an anti-scatter x-ray grid for medical diagnostic radiography includes positioning a phase mask between the substrate and a high power laser; providing a laser beam from the laser; conditioning the laser beam; ablating a first portion the substrate through the phase mask with the conditioned laser beam; and moving the substrate; and ablating a second portion of the substrate through the phase mask with the conditioned laser beam.